

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number  
WO 2004/030458 A1

(51) International Patent Classification<sup>7</sup>: A01N 51/00 //  
(A01N 51/00, 43:90, 43:80, 43:64, 43:50, 35:08, 35:02,  
33:04)

Dieter [DE/DE]; Remlingstrasse 1A, 67346 Speyer (DE).  
GUTHRIE, Walter, Graham [GB/GB]; 7 Rope Walk,  
East Leake, Loughborough, Leicestershire LE12 6NR  
(GB).

(21) International Application Number:

PCT/GB2003/004176

(74) Agents: COLEIRO, Raymond et al.; Mewburn Ellis,  
York House, 23 Kingsway, London WC2B 6HP (GB).

(22) International Filing Date:

25 September 2003 (25.09.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0222843.5 2 October 2002 (02.10.2002) GB

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): BASF AKTIENGESELLSCHAFT [DE/DE]; D-67071 Ludwigshafen (DE).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/030458 A1

(54) Title: MICROBICIDAL COMPOSITIONS AND THEIR USE

(57) Abstract: A composition comprising a potassium salt of N'-hydroxy-N-cyclohexyldiazonium oxide (KHDO) and a diluent is useful for killing fungi. Such a composition but which additionally includes at least one of certain other fungicidally active components is useful for combating microorganisms in general. Such other fungicidally active component is selected from: alcohols, isothiazolones, activated halogen compounds, formaldehyde release compounds, phenolic compounds, aldehydes, acids and esters, biphenyls, urea derivatives, O-acetals, O-formals, N-acetals, N-formals, benzamidines, phthalimides, pyridine derivatives, quaternary ammonium and phosphonium compounds, amines, amphoteric compounds, dithiocarbamates, compounds containing active oxygen and mixtures of any of these.

BEST AVAILABLE COPY